AMENDMENTS TO THE CLAIMS

1. (Original) Tree pruning apparatus including:

an elongate supporting body locatable along the trunk of a tree to be pruned;

a pruning assembly mounted on and drivable along said supporting body and comprising a plurality of pruning jaws movable from an open position and a closed position substantially encircling the trunk;

a plurality of blade members mounted on said jaws and having cutting edges forming a substantially circumferential array when said jaws are in their closed position; and

actuator means associated with each said blade member; and

individual sensor means associated with each actuator means and operable to dynamically maintain a selected clearance between the trunk and each said cutting edge.

- 2. (Original) Tree pruning apparatus according to Claim 1, wherein said elongate supporting body is mounted on a wheeled or tracked vehicle for locating the body adjacent the tree trunk.
- 3. (Original) Tree pruning apparatus according to Claim 1, wherein said vehicle is selected from powered and hand operated vehicles.
- 4. (Currently Amended) Tree pruning apparatus according to any one of Claims 1 to 3 Claim 1, wherein said elongate supporting body mounts said pruning assembly for movement by means selected from a track or moving chain.

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- 5. (Currently Amended) Tree pruning apparatus according to Claim 4, wherein said pruning assembly is urged along the <u>a</u> vertical track by means selected from a chain drive, ram, or hydraulic <u>motor</u>, pneumatic <u>motor</u> or electric motor.
- 6. (Currently Amended) Tree pruning apparatus according to any one of Claims 1 to 5 Claim 1, wherein said jaws of the pruning assembly comprise a pair of jaws hinged together.
- 7. (Currently Amended) Tree pruning apparatus according to Claim 6, wherein one of said jaw jaws is mounted for movement on said elongate supporting body.
- 8. (Currently Amended) Tree pruning apparatus according to any one of Claims 1 to 5 Claim 1, wherein said jaws are each pivoted from a carrier portion engaging said elongate supporting body.
- 9. (Currently Amended) Tree pruning apparatus according to any one of the preceding Claims Claim 1, wherein said jaws are operable by means selected from manual means, hydraulic actuation and pneumatic actuation.
- 10. (Currently Amended) Tree pruning apparatus according to any one of the preceding Claims Claim 1, wherein said sensor means comprises a mechanical sensor arm associated with the actuator means for each blade member and adapted to move along the trunk ahead of said blade member.

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- 11. (Currently Amended) Tree pruning apparatus according to any one of the preceding Claims Claim 1, wherein said sensor means comprises electronic or optoelectronic distance sensing means associated with the actuator means for each blade member.
- 12. (Currently Amended) Tree pruning apparatus according to any one of the preceding Claims Claim 1, wherein said actuator means are selected from electric, pneumatic or hydraulic actuators.
- 13. (Original) Tree pruning apparatus according to Claim 12, wherein said actuator means are pneumatic actuator assemblies comprising a pneumatic actuator working against a spring.
- 14. (Currently Amended) Tree pruning apparatus according to any one of the preceding Claims Claim 1, wherein said pruning assembly is operable to be driven along said elongate body member in use at a linear blade edge velocity of from 1 to 2.5 m/sec.
- 15. (Original) Tree pruning apparatus according to Claim 13, wherein said pneumatic actuator and spring comprise a sensor/actuator assembly, wherein said blade member is urged toward the trunk against the bias of said spring by said pneumatic actuator which is continuously operable in response to a follower interacting with the tree trunk as said sensor.
- 16. (Currently Amended) Tree pruning apparatus according to any one of the preceding Claims Claim 1, wherein said blade members have arcuate cutting edges.

- 17. (Original) Tree pruning apparatus according to Claim 16, wherein said cutting edges describe in combination a substantially circular cutting edge in plan.
- 18. (Currently Amended) Tree pruning apparatus according to Claim 16 or Claim 17, wherein said blade members are arrayed in two or more axially displaced planes, whereby said cutting edges may overlap in plan.
- 19. (Currently Amended) Tree pruning apparatus according to any one of the preceding Claims Claim 1, wherein said blade members have a cutting edge of chisel-edged form with a substantially sheer face toward the trunk in use and a bevel from the cutting edge to the thickness of the blade body.
- 20. (Original) Tree pruning apparatus according to Claim 19, wherein said sheer face is relieved along said cutting edge at a relief angle of up to 6°C.
 - 21. (Original) A tree pruning method including the steps of:

locating an elongate supporting body alongside the trunk of a tree to be pruned;

closing pruning jaws of a pruning assembly mounted on and drivable along said supporting body to substantially encircle the trunk, said jaws mounting a plurality of blade members having cutting edges forming a substantially circumferential array, the blade members being associated with respective actuator means and individual sensor means associated with each actuator means and operable to dynamically maintain a selected clearance between the trunk and each said cutting edge; and

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driving said pruning assembly along said elongate supporting body to prune said tree.

22. (Original) Tree pruning apparatus including:

an elongate supporting body locatable alongside the trunk of a tree to be pruned;

a pruning assembly mounted on and drivable along said supporting body and comprising a plurality of pruning jaws movable from an open position and a closed position substantially encircling the trunk;

a plurality of blade members mounted on said jaws and having cutting edges in circumferentially overlapping relation when said jaws are in their closed position;

actuator means associated with each said blade member; and

individual sensor means associated with each actuator means and operable to dynamically maintain a selected clearance between the trunk and each said cutting edge.

23. (Original) A tree pruning method including the steps of:

locating an elongate supporting body alongside the trunk of a tree to be pruned;

closing pruning jaws of a pruning assembly mounted on and drivable along said supporting body to substantially encircle the trunk, said jaws mounting a plurality of blade members having cutting edges in circumferentially overlapping relation, actuator means associated with each said blade member, and individual sensor means associated with each actuator means and operable to dynamically maintain a selected clearance between the trunk and each said cutting edge; and

driving said pruning assembly along said elongate supporting body to prune said tree.